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ABSTRACT

This selected bibliography lists 489 monographs, articles, and reports dealing with reasoning skills and their applications to social science problems. These citations, representing those items acquired by the Center for Reasoning Studies at Piedmont Technical College, include theoretical works on problem-solving, values education, decision-making, learning skills, reasoning and critical thinking, Piagetian theory, language, convergent and divergent thinking, creativity, intelligence, and hemispheric dominance. Additionally, curriculum guides, instructional materials, and educational games are cited, which have practical applications for the classroom. Entries are presented in alphabetical order by author, providing title, date of publication, and, if applicable, journal title, volume, and issue; publisher and place of publication; and ERIC document number. (JP)

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FUNDAMENTAL REASONING SKILLS

A PARTIAL BIBLIOGRAPHY

This bibliography contains books, articles, and reports which relate in one fashion or another to basic reasoning skills. The bibliography is not comprehensive; rather it contains only those materials actually acquired by the Center for Reasoning Studies. Further, the bibliography focuses on reasoning skills per se and on social science applications of reasoning. A separate, comparable bibliography focusing on mathematics and the "hard" sciences is being prepared as a companion volume.

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BEST COPY AVAILABLE

- Ackoff, Russell L. The Art of Problem Solving. New York, Chichester, Brisbane, Toronto: John Wiley and Sons, 1978.
- Adams, James L. Conceptual Blockbusting: A Guide to Better Ideas. San Francisco: W.H. Freeman and Company, 1974.
- Adi, Helen. Intellectual Development and Reversibility of Thought in Equation Solving. Journal for Research in Mathematics Education. Vol. 9, No. 3, May, 1978. pp. 204-213.
- Administration. A business game that is designed to upgrade and reinforce administrative skills. New Jersey: The Education Research, 1975.
- Alleman-Brooks, Jane & Arthur K. Ellis. "Applying the NCSS Guidelines to a Problem-Solving Curriculum". Social Education, Vol. 41, No. 5, May, 1977.
- Allen, Rodney, et. al. Deciding How To Live On Spaceship Earth: the ethics of environmental concern. Evanston, Ill.: McDougal, Littell, & Company, 1975.
- Allen, Rodney. Teaching Guide for the Values Education Series. Evanston, Ill.: McDougal, Littell & Company, 1975. (See the series, editors: Allen, Rodney; O'Fahey, Sheila; Boland, John; and Carey, Maureen).
- Almy, Millie. "Piaget in Action." Young Children, Vol. 31, Jan. 1976. summarized in The Education Digest, Vol. XLI, No. 9, May, 1976.
- Analytic Trouble-Shooting. Study Materials for a Training Course in the Systematic Solution of Trouble-Shooting Problems. Princeton, NJ: Kepner-Tregoe, Inc., 1977. pp. 136.
- Argyris, Chris. "Single-Loop and Double-Loop Models in Research on Decision Making." Administrative Science Quarterly, vol. 21, No. 3, Sept., 1976.
- Aron, Israela Ettenberg. "Moral Philosophy and Moral Education: A Critique of Kohlberg's Theory." School Review, Vol. 85, No. 2, Feb. 1977.
- Atwood, Beth. Building Independent Learning Skills. Palo Alto, California: Learning Handbooks, 1974.
- Atwood, Ronald K. & Stevens, J. Turman. "Relationship Among Question Level, Response Level, and Lapse Time: Secondary Science." School Science and Mathematics, vol. 76, No. 3, March, 1976.
- Ausubel, David P. Educational Psychology: A Cognitive View. New York Holt, Rinehart, and Winston, Inc., 1968.

- Bader, William A. "Problem-Solving via Soap Bubbles." School Science and Mathematics, Vol. LXXV, No. 4, April, 1975.
- Ballard, P.B. Thought & Language. College Park, Md. McGrath Publishing Company, 1970.
- Baltus, Rita K. Personal Psychology for Life & Work. New York: McGraw-Hill, 1976.
- Banton, Lee. "Broadening the Scope of Classroom Questions." Virginia Journal of Education, Vol. 71, Oct., 1977, summarized in The Education Digest, Vol. 5, January, 1978.
- Bartlett, Steven. Patterns of Problem Solving. Project C.O.V.E., St. Louis University, Department of Philosophy, 1977.
- Batt, Fred. "Education Is Illogical!", Improving College and University Teaching, Vol. 25, No. 3, Summer, 1977.
- Battista, O.A. "Brainpower: Mankind's Most Pressing Need." Intellect, Vol. 104, No. 2371, January, 1976.
- Baugh, James R. Solution Training: Overcoming Blocks in Problem Solving. Gretna, Louisiana: Pelican Publishing Company, 1980.
- Beard, Ruth M. An Outline of Piaget's Development Psychology. New York: Mentor Books' New American Library (paperback), 1972. pp. 158.
- Beardsley, Monroe C. Thinking Straight: Principles of Reasoning for Readers and Writers. 4th ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1975.
- Bearison, David J. "Induced versus Spontaneous Attainment of Concrete Operations and Their Relationship to School Achievement." Journal of Education Psychology, Vol. 67, No. 4, Aug., 1975.
- Bender, David L. American Values: Opposing Viewpoints. Anoka, Minnesota: Greenhaven Press, 1975.
- Bender, David L. Dealing With Death: A Future Planning Games. Minneapolis, Minnesota: Greenhaven Press, Inc., 1976.
- Bender, David L. Liberals and Conservatives: A Debate on the Welfare State. Minneapolis, Minnesota: Greenhaven Press, Inc., 1971.
- Bender, David L. & McCuen, Gary E. Crime & Criminals. Minneapolis, Minnesota: Greenhaven Press, Inc., 1977.
- Bender, David L. & McCuen, Gary E. Economics in America. Minneapolis, Minnesota: Greenhaven Press, Inc., 1977.
- Bengelsdorf, Irving S. "The Role of the Brain and Nervous System in Learning and Memory." (condensed version) The Education Digest. Vol. XLI, No. 4, Dec. 1975. (13)
- Berliner, Michael S. "Reason, Creativity, and Freedom in Montessori." The Education Forum, Vol. 40, #1, Nov., 1975. (574)
- Berman, Louise M. "More Than Choice." Educational Leadership. Vol. 35, No. 6, March, 1978. (14)

- Bettinghaus, Erwin P. The Nature of Proof. Indianapolis, Indiana: Bobbs-Merrill Educational Publishing, 1972.
- Jeyers, Barry K. "Conducting Moral Discussions in the Classroom." Social Education, Vol. 40, No. 4, April, 1976.
- Black, Max. Critical Thinking: An Introduction to Logic and Scientific Method. Englewood Cliffs, New Jersey: Prentice-Hall, 1952.
- Blackington, Frank H. III. "The Instrumental Value of Research on Logical Thinking." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.
- Blanton, Milburn W. "Identifying Teacher Competency in Developing Creative Thought in Students." North Central News Bulletin, Vol. 24, No. 8, May, 1965.
- Block, Ned J. and Dworkin, G. The IQ Controversy. New York: Pantheon Books, 1976.
- Bloom, Benjamin S. "Learning for Mastery." Evaluation Comment. UCLA Center for the Study of Evaluation of Instructional Programs, Vol. 1, No. 2, May, 1968.
- "Affective Outcomes of School Learning." Phi Delta Kappan. Vol. 59, No. 3, Nov., 1977.
- Bloom, Benjamin S. and Broder, Lois J. Problem-Solving Processes of College Students. University of Chicago Press, July, 1950.
- Blum, Mark E. and Spangehl, Stephen D. "College Instruction in Critical Thinking." Unpublished paper, University of Louisville, 1978.
- "Preparing Pre-College Freshmen for Critical Thinking and Research in the Social Sciences and Humanities." unpublished paper, University of Louisville, 1978.
- Boekaerts, Monique. Can the Teacher Unravel Parts of a Pupil's Cognitive Structure? J. of Experimental Education, Vol. 48, No. 1, Fall 1979, p. 4-17.
- Boland, John E. et. al. Deciding How to Act in a Political Society: The Ethics of Political Behavior. Evanston, Ill.: McDougal, Littell, & Company, 1975. (See also teachers' guide; Allen, Rodney).
- Bowan, Robert. "Teaching for Cognitive Development." Unpublished paper. University of Alabama.
- Brim, Orville G. et. al. Personality and Decision Processes: Studies in the Social Psychology of Thinking. Stanford, CA: Stanford University Press, 1962.
- Bronson, David B. "Thinking and Teaching." The Educational Forum, Vol. 39, No. 3, March, 1975.
- Broughton, John. "Beyond Formal Operation: Theoretical Thought in Adolescence." Teachers College Record, Vol. 79, No. 1, Sept., 1975.
- Browne, M. Neil. "Critical Thinking Rubric: The Evaluation Instrument for Little College: The Evaluation of Social Controversies." Bowling Green State University, 1977.

Browne, M. Neil Haas, and Keely, Stuart. "The Little College Rubric: An Alternative Format for Measuring Critical Thinking Skills." Unpublished paper, similar to Jan., 1978 version (below).

----- "Measuring Critical Thinking Skills in College." The Educational Forum, Vol. XLII, No. 2, Jan., 1978.

Bruner, Jerome. Beyond the Information Given: Studies in the Psychology of Knowing. New York: W.W. Norton and Company, Inc., 1973.

----- "On Knowing: Essays for the Left Hand." Harvard University Press, 1962.

Bruner, Jerome S.; Goodnow, Jacqueline J., and Austin, George A. A Study of Thinking. New York: John Wiley and Sons, Inc., 1956.

Burns, Marilyn. The Book of Think. Boston: Little, Brown, & Company, 1976.

Byrd, Ricahrd E. A Guide to Personal Risk Taking. New York: AMACOM Executive Books, 1974.

Campbell, Thomas C. and Fuller, Robert G. A Teacher's Guide to the Learning Cycle: A Piagetian-based Approach to College Instruction. ADAPT Project. University of Nebraska (undated)

Carroll, John B. Language and Thought. Foundations of Modern Psychology Series. Prentice-Hall, Inc., 1964.

Caulley, Darrell N. and Grotelueschen, Arden D. "The Illusions of Learner Accomplishment." Educational Leadership, Vol. 35, No. 4, January, 1978.

Cermak, Laird S. Improving Your Memory. New York: W.W. Norton and Company, Inc., 1975.

Clear Thinking: How to improve your reasoning skills. Part I. The Center for Humanities, Inc.

----- How to improve your reasoning skills. Part II. The Center for Humanities, Inc.

----- Effective Thinking: Ways of Problem-Solving. Part I. (AV-Slide Tape) The Center for Humanities, Inc.

----- Effective Thinking: Ways to Problem-Solving. Part II. (AV-Slide Tape) The Center for Humanities, Inc.

----- Effective Thinking: Ways to Problem-Solving. Part III. (AV-Slide Tape) The Center for Humanities, Inc.

Chaplin, Miriam T. Practical Applications of Piagaton Theory to College Reading Instruction. Presented at annual Symposium of the Jean Piaget Society, Philadelphia, June 14, 1976.

Chapman, Marian L. and Davis, Florence V. "Skills for Ethical Action: A Process Approach to Judgement and Action." Educational Leadership, Vol. 35, No. 6, March, 1978.

Cherkas, Barry M. "The Teacher as a Role Model in Problem Solving." School Science and Mathematics, Vol. 78, No. 3, March, 1978.

Chomsky, Noam. "Language and the Mind." Readings in Educational Psychology Today. CRM Books: John P. DeCecco (ed.), 1970..

Cleary, Donna M. Thinking Thursdays. Newark, Delaware: International Reading Assoc., 1978.

Clement, John. Limitations of Formula-Centered Approaches to Problem Sovling in Physics and Engineering. Department of Physics and Astronomy, University of Massachusetts, Amherst, MA, July, 1979.

Clinchy, Blythe. "The Role of Intuition in Learning." Today's Education, Vol. 64, No. 2, Mar - Apr., 1975.

Cohen, Shelby Ruth. "The Relationship Between Convergent and Divergent Thinking in Science as Revealed in Sixth and Seventh Graders." The Journal of Educational Research, Vol. 68, No. 9, May - June, 1975.

Connelly, F. Michael. "Logical Reasoning in Science Education." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.

Coole, Walter. Philosophic Heuristic Instruction. Skagit Valley College, Washington, 1976.

Copeland, Richard. How Children Learn Mathematics - Teaching Implications of Piaget's Research. MacMillan, 1974.

Cornbleth, Catherine. "Student Questioning as a Learning Strategy." Educational Leadership, Vol. 33, No. 3, Dec., 1975.

Council for Exceptional Children. Creativity-Research/Tests and Measurement/Intelligence: A Selective Bibliography. Exceptional Child Bibliography Series No. 639, 1976. (ED 129013)

----- Creativity-General/Classroom/Problem Solving: A Selective Bibliography. Exceptional Child Bibliography Series No. 667, 1976. (ED 129014)

Crouse, Richard, and Bassett, Denise. "Detective Stories: An Aid for Mathematics and Reading." The Mathematics Teacher, Vol. 68, No. 7, Nov., 1975.

Carey, Maureen et. al. Deciding on the Human Use of Power. McDougal, Littell, & Company. Evanston, Ill., 1975. (See also teachers' guide: Allen, Rodney).

- D'Angelo, Frank J. Process and Thought in Composition. Cambridge, Mass.: Winthrop Publishers, Inc., 1977, pp. 401.
- Dansereau, Donald F. et. al. Learning Strategies: A Review and Synthesis of the Current Literature. TCU, Institute for the Study of Cognitive Systems, Dec., 1974.
- Darrow, Helen F. and Allen, R. Van. Independent Activities for Creative Learning. Columbia University: Teachers College Press, 1961.
- Davidson, Jessica and Martin, William G. Mind-Boggling Brain Benders. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1979.
- Days, Harold; Wheatley, Grayson; and Kulm, Gerald. "Problem Structure, Cognitive Level, and Problem Solving Performance". J. for Research in Mathematics Education, Vol. 10, No. 2, March 1979, p. 135-145.
- Dean, Russell K. and Plants, Helen L. "Divide and Conquer or How to Use A Problem-Solving Taxonomy To Improve The Teacher of Problem-Solving", presentation to American Society of Engineering Education, 1978.
- DeBono, Edward. New Think: the use of lateral thinking in the generation of new ideas. Avon, 1971.
- DeBono, Edward and McCormack, Alan J. "The Incredible Banana Split Machine, and other devices to turn kids onto lateral thinking." Instructor, Vol. 87, No. 6, Jan., 1978.
- Decision. A business game designed to improve your decision-making skills. Warren, New Jersey: Education Research, 1972.
- Delattre, E.J. and Donovan, Thomas J. Why Reason? Chandler and Sharp Pubs., Inc., 1975.
- Destafano, Joanna S. "Linguistics and Logical Reasoning." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.
- Diez, Mary S. The Nature of Evidence. Alverno College; Instructional Course Module, 1976.
- Dirkes, Ann M. "Intellectual Development Through Interdisciplinary Problem-Solving." School Science and Mathematics, Vol. 75, No. 4, April, 1975.
- Dominick, Barbara A. The Art of Listening. Charles C. Thomas, 1958.
- Douglas, John H. "The Genius of Everyman (1): Discovering Creativity." Science News.
----- "The Genius of Everyman (2): Learning Creativity." Science News.
- Doyle, Wayne. "What is the Problem, What is the Solution?" Administrators' Notebook. Vol. XXV, No. 4, 1976 - 77.
- Dunlop, David and Fazio, Frank. The Role of Abstract Preferences in Determining Student Behavior in Problem-Solving Tasks Within a Piagetian Framework. -Philadelphia; Paper to National Science Teachers Association, March, 1976. (ED 120126)

Edson, Lee (ed.) How We Learn. Time-Life Books, 1975.

Egan, Kieran. "How to Ask Questions That Promote High-Level Thinking." Peabody Journal of Education, Vol. 52, No. 3, April, 1975.

Ekstrom, Ruth B. et. al. An Attempt to Confirm Five Recently Identified Cognitive Factors. Educational Testing Service. June, 1975. (ED 113386)

Elithorn, Alick, and Jones, David (eds.) Artificial and Human Thinking. San Francisco: Jossey-Bass, Inc., 1973.

Elkind David. "Misunderstandings About How Children Learn." Today's Education, Vol. 64, No. 2, March - April, 1975.

Ellis, Arthur K. "The USMES approach to Problem-Solving; an Interview." Social Education, Vol. 41, No. 5, May, 1977.

Ellis Arthur K. and Alleman-Brooks, Janet. "Informal Evaluation Strategies for Real Problem Solving." School Science and Mathematics, Vol 78, No. 3, March, 1978.

Emans, Robert. "Reading, Reasoning, and Reality." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.

Emmet, E.R. Brain Puzzler's Delight. New York: Emerson Books Inc., 1977.

----- Mind Tickling Brain Teasers. Buchanan, New York: Emerson Books Inc., 1978.

----- 101 Brain Puzzlers. New York: Barnes and Noble Books, 1973.

----- Puzzles for Pleasure. New York: Emerson Books, 1972.

Epperley, Jane R. (ed.) Emphasis: Decisions. Unit II of CENTS Project. Unpublished. Northern Virginia Community College, 1976.

Estrada, Jackie (ed.) "Cognitive Development." Educational Psychology: A Contemporary View, Chapter 5: Del Mar, CA: Communications Research Machines, Inc., 1973.

----- "Moral Development." Educational Psychology: A Contemporary View, Chapter 7. Del Mar, CA: Communications Research Machines, Inc., 1973.

Ewing, David W. "Discovering Your Problem-Solving Style." Psychology Today, Vol. 11, No. 7, Dec., 1977.

Eysenck, H.J. Know Your Own I.Q. Penguin Books, 1976.

- Fabun, Don. You and Creativity. Glencoe Press, 1968.
- Farnham-Diggory, Sylvia. Cognitive Processes in Education. Harper and Row, 1972.
- Fawcett, Harold P. The Nature of Proof: A Description and Evaluation of Certain Procedures Used in Senior High School to Develop an Understanding of the Nature of Proof. National Council of Teachers of Mathematics, Yearbook 13 (1938).
- Fea, Henry R. Critical Thinking in Communication. Conference on Compensatory/ Remedial Education. Occasional Paper No. 23. Washington University, Seattle, Center for Development of Community College Education, May, 1974. (ED 097050)
- Feely, Ted. An Aspect of Critical Thinking: Predicting Students' Use of Evidence. Paper to American Educational Research Association. April, 1975. (ED 105406)
- Feingold, S. Norman. Explorations, Part 1, Revised: Career Activities for Adult Education Classes. Applied Management Sciences, Inc. June, 1975. (ED 110855)
- Fennell, F.M. "Fun with Flowcharting". School Science and Mathematics, Vol. 77, No. 4, April, 1977.
- Fenton, Edwin. "Moral Education: The Research Findings." Social Education, Vol. 40, No. 4, April, 1976.
- Fenton, Edwin and Fraenkel, Jack R. "The Cognitive-Developmental Approach to Moral Education." Social Education, Vol. 41, No. 1, Jan., 1977.
- Fitzgerald, William M. "The Role of Mathematics in a Comprehensive Problem-Solving Curriculum in Secondary Schools." School Science and Mathematics, Vol. 75, No. 1, Jan., 1975.
- Flaherty, E.G. "The Thinking Aloud Technique and Problem-Solving Ability." The Journal of Educational Research, Vol. 68, No. 6, Feb., 1975.
- Flavell, John H. Cognitive Development. Englewood Cliffs, New Jersey: Prentice-Hall, 1977.
- Flesch, Rudolf. The Art of Clear Thinking. Collier, 1951.
- Flower, Linda. Problem-Solving for Writers. Pittsburg: Carnegie-Mellon University. Undated.
- A Problem-Solving Approach to Analytical Writing: Research and Work in Progress. Business and Professional Communications Program, Graduate School of Industrial Administration, Carnegie-Mellon University. Undated.
- Flower, Linda and Hayes, John R. "Problem Solving Strategies and the Writing Process." College English, Vol. 39, No. 4, Dec., 1977.
- Ford, LeRoy. Using Problem-Solving in Teaching and Training. Stein and Day, 1975.
- Formanek, Ruth and Anita Gurian. Charting Intellectual Development. Springfield, Ill.: Charles C. Thomas, 1976.
- Fraenkel, Jack R. Helping Students Think and Value: Strategies for Teaching the Social Studies. Prentice-Hall, Inc., 1973.

Fraenkel, Jack R. "The Kohlberg Bandwagon: Some Reservations." Social Education, Vol. 40, No. 4, April, 1976.

Frederiksen, Norman and Ward, William C. Development of Measures for the Study of Creativity. Educational Testing Service, June, 1975. (ED 128442)

Freeley, Austin J. Argumentation and Debate: Rational Decision Making. Belmont, CA: John Carroll University, Wadsworth Publishing Company, Inc., 1976.

Fryar, Maridell and Thomas, David A. Successful Problem Solving. Skokie, Ill.: National Textbook Company, 1979.

Fuller, Robert (ed.). ADAPT: A Piagetian-based Program for College Freshmen. University of Nebraska-Lincoln, 1976.

- Gade, Delores M. New Dimensions in Creativity: Teaching Packets. Home Economics Education Association, 1973. (ED 098608)
- Gaibraith, Ronald E. and Jones, Thomas M. Moral Reasoning: A Teaching Handbook for Adapting Kohlberg to the Classroom. Minneapolis, Minn.: Greenhaven Press, Inc., 1976.
- Gaibraith, Ronald E. and Jones, Thomas M. "Teaching Strategies for Moral Dilemmas." Social Education, Vol. 39 No. 1, Jan., 1975.
- Gardner, Marvin. Aha! Insight. Scientific American Inc./W. H. Freeman and Co. New York, 1978.
- Gelatt, H. B. et. al Deciding. New York: College Entrance Examination Board, 1972.
- Deciding: A Leader's Guide. New York: College Entrance Examination Board, 1972.
- Decisions and Outcomes. New York: College Entrance Examination Board, 1972.
- Decisions and Outcomes: A Leader's Guide. New York: College Entrance Examination Board, 1973.
- Gibbs, John C. "Kohlberg's Stages of Moral Judgement: A Constructive Critique," Harvard Education Review, Vol. 47, No. 1, Feb., 1977.
- Gillmore, Gerald M. and Stallings, William M. "Problem Solving: A Neglected Test Style." Improving College and University Teaching, Vol. 24, No. 2, Spring, 1976.
- Ginsburg, H. and Oppen, S. Piaget's Theory of Intellectual Development. Englewood Cliffs: Prentice-Hall, 1969.
- Glenn, Allen D. "Problem Solving in Social Sciences: Two Examples from the Classroom." Social Education, Vol. 41, No. 5, May 1977.
- Goor, Amos and Sommerfield, Roy E. "A Comparison of Problem-Solving Processes of Creative Students and Non-Creative Students." Journal of Educational Psychology, Vol. 67, No. 4, Aug., 1975.
- Gordon, W. J. J. Synectics: The Development of Creative Capacity. Collier, 1976.
- Granowsky, Alvin and Botel, Morton. "Creative Thinking, Reading, and Writing in the Classroom," Elementary English, Vol. 51, May, 1974. summarized in The Education Digest, Vol. 40, No. 2, October 1974.
- Gray, William M. The Factor Structure of Concretes and Formal Operations: A Confirmation of Piaget. University of Dayton, 1972. (ED 115697)
- Greenberger, Ellen; O'Connor, Jeanne; and Sorensen, Annemette. Correlates of Problem-Solving Flexibility. Johns Hopkins University; Report No. 58, January 1970.

Gregory, Carol. The Management of Intelligence: Scientific Problem-Solving and Creativity. Hwong Publishing Company, 1976.

Gregory, Richard L. The Intelligent Eye. New York: McGraw-Hill, 1971.

Gregory, S.A. Creativity and Innovation in Engineering. Transatlantic, 1973.

- Haladyna, Thomas. Theoretical Formulation and Empirical Validation of a Construct of Creativity. Paper to American Educational Research Association. March, 1975. (ED 108056)
- Hammaker, Michael K. "Judging Creativity: A Method for Assessing How and by What Criteria It Is Done." Journal of Educational Psychology, Vol. 67, No. 4, August, 1975.
- Hampton, William. "Students Find Their Way to Learning with Cognitive Style Mapping." College and University Business, Feb., 1972.
- Handy, Rollo and Harwood, E.C. Useful Procedures of Inquiry. Great Barrington, Mass.: Behavior Research Council, 1973.
- Harnadek, Anita: Basic Thinking Skills: Antonyms, Synonyms, Similarities, and Differences. Troy, Mich.: Midwest Publications, 1977.
- Basic Thinking Skills: Conservation, Paths, and Miscellaneous. Troy, Mich.: Midwest Publications, 1977.
- Basic Thinking Skills: Miscellaneous. Troy, Mich.: Midwest Publications, 1977.
- Basic Thinking Skills: Think About It. Troy, Mich.: Midwest Publications, 1977.
- Basic Thinking Skills: What Would You Do? And True to Life, or Fantasy. Troy, Mich.: Midwest Publications, 1977.
- Mind Benders B1-Deductive Thinking Skills. Troy, Mich.: Midwest Publications, 1978.
- Instructions: Mind Benders (how to use charts for easier solutions). Troy, Mich.: Midwest Publications, 1978.
- Hart, Leslie A. "The New 'Brain' Concept of Learning." Phi Delta Kappan, Vol. 59, No. 6, February, 1978.
- Hartford, Fred and Good, Ron. "Assessment of Cognitive Requirements of Instructional Materials." School Science and Mathematics, Vol. 76, No. 3, March, 1976.
- Harvey, Karen and Horton, Lowell. "Bloom's Human Characteristics and School Learning." Phi Delta Kappan, Vol. 59, No. 3, Nov., 1977.
- Hawaii Newspaper Agency. Newspaper in the Classroom: Critical Thinking, 1973. (ED 12364)
- Hayakawa, S.I. Language In Thought and Action. Harcourt, Brace, and World, Inc., 1964.
- Herrick, Michael J. "A Guide for Developing a Discovery Curriculum." The Clearing House, Vol. 51, No. 6, Feb., 1978.
- Herron, J. Dudley. Piaget for Chemists. J. of Chemical Education, Vol. 52, No. 3, March 1975, pp. 146-150.

- Hersh, Richard H. and Mentkowski, Marcia M. Procedures for Facilitating Change in Moral Reasoning. University of Toledo: Instructional Module for Teacher Corps, 1975.
- Hilgard, E.R. and Bower, G.H. Theories of Learning. 3rd Edition, Appleton-Century-Crofts, 1966.
- Hill, Joseph E. "Cognitive Style as an Educational Service." (undated manuscript)
- Hodnett, Edward. The Art of Problem-Solving. Harper-Row, 1955.
- Hoffman, Fae E. et. al. Explorations, Part I: Career Activities for Adult Education Classes. Applied Management Sciences, Inc., June, 1974.
- Hoffman, Robert. "The Cult of Anti-Rationalism in Education." The Educational Forum, Vol. 41, No. 1, Nov., 1976.*
- Hollander, Sheila K. "The Effect of Questioning on the Solution of Verbal Arithmetic Problems." School Science and Mathematics, Vol. 77, No. 8, Dec., 1977.
- Hollaway, Otto. Problem Solving: Toward A More Humanizing Curriculum. Philadelphia, PA: Franklin Publishing Company, 1975.
- Hoover, Kenneth R. The Elements of Social Science Thinking. New York: St. Martin's Press, 1976.
- Howes, Elizabeth B. and Moon, Sheila. The Choice-maker. Wheaton, Ill.: The Theosophical Publishing House, 1973.
- Hunkins, Francis P. Involving Students in Questioning. University of Washington Seattle: Allyn and Bacon, Inc., 1976.
- Hunt, Joan E. "Let's Teach Students to Think." (Unidentified and Undated) (ED 096294).
- Hunter, Madeline. "Right-Brained Kids in Left-Brained Schools." Today's Education, Vol. 65, No. 4, Nov/Dec., 1976.

Inge, Jane A. (ed.). Emphasis: Change 1. Unit VI of CENTS Project. Unpublished.
Northern Virginia Community College, 1976.

Inge, Jane A. (ed.). Emphasis: Change 2. Unit VII of CENTS Project. Unpublished.
Northern Virginia Community College, 1976.

Inskeep, James E. Jr. "The Application of Piaget's Theory and Research in the Classroom."
The Arithmetic Teacher, Vol. 19, April, 1972, summarized in The Education Digest,
Vol. 38, No. 2, Oct., 1972.

Janis, Irving and Wheeler, Dan. "Thinking Clearly About Career Choices."
Psychology Today, Vol. 11, No. 12, May, 1978.

Jantzen, Steven L. Winning Ideas in the Social Studies. New York: Columbia University,
Teachers College Press, 1977.

Johnson, Kenneth G. et. al. Nothing Never Happens. Beverly Hills: Glencoe Press,
1974.

Student Edition
Teacher's Edition

Johnson, Mildred. How to Solve Word Problems in Algebra: A Solved Problem Approach.
McGraw-Hill Book Company, 1975.

- Kagan, Jerome (ed.). Creativity and Learning. Beacon Press, 1967.
- Kahane, Howard. Logic and Contemporary Rhetoric: The Use of Reason in Everyday Life. Wadsworth Publishing Company, Inc., 1971.
- Kail, R.V. and Hagen, J.W. (eds.). Perspectives on the Development of Memory and Cognition. Halsted Press, 1977.
- Kalechofsky, Robert. An Investigation of the Mathematical Models of Piaget's Psychological Theory of Cognitive Learning. Office of Education (DHEW), Bureau of Research, June, 1971. (ED 128751)
- Kaltsounis, Bill. "Instruments Useful In Studying Creative Behavior and Creative Talent." Journal of Creative Behavior, Vol. 5, No. 2, Second Quarter, 1971.
- Kantor, Ken and Perron, Jack. "Thinking and Writing: Creativity in the Modes of Discourse." Language Arts, Vol. 54, No. 7, Oct., 1977.
- Katz, M.S. "Two Views of 'Teaching People to Think'." Educational Theory, Vol. 26, No. 2, Spring, 1976.
- Kaufmann, Arnold. The Science of Decision-Making: An Introduction to Praxeology. Translated from the French by Rex Audley. New York: McGraw-Hill, 1968.
- Kaufmann, Gerald L. The Book of Modern Puzzles. Dover Publications, Inc., 1954.
- Kaufmann, Roger. Identifying and Solving Problems: A Systems Approach. University Associates, 1976.
- Keeley, Stuart M; Browne, Neil; and Haas, Paul. Cognitive Activity in the Classroom: A Comparison of Three Kinds of Raters, Using the Cognitive Activities Ratings Scales (CARS). Bowling Green State University. Nov., 1976.
- Keese, Earl E. "'The Pit and The Pendulum': Source for a Creative Activity." Mathematics Teacher, Vol. 68, No. 7, Nov., 1975.
- Kelly, Edward M. "The Myth of Intellectual Testing." The Clearing House, Vol. 51, No. 6, Feb., 1978.
- Kepner, Charles H. and Tregoe, Benjamin. The Rational Manager: A Systematic Approach to Problem Solving and Decision-Making. New York: McGraw-Hill, 1965, Edited with and Introduction by Perrin Stryker.
- Keyes, Ken Jr. Taming Your Mind. Living Love, 1975.
- Khatena, Joe. Creative Imagination Imagery: Where Is It Going? Paper to American Educational Research Association. San Francisco, April, 1976. (ED 123648)
- Major Directions In Creativity Research. Council for Exceptional Children, March, 1976. (ED 121014)
- Measurement and Identification of the Creative Potential. Paper to Southeastern Region, National Association of School Psychologists. White Sulphur Springs. West Virginia. Nov. 16, 1973. (ED 116431)
- Kilpatrick, Jeremy. "Research on Problem Solving in Mathematics." School Science and Mathematics, Vol. 78, No. 3, March 1978.

- Kilpatrick, Jeremy. et. al. Soviet Studies in the Psychology of Learning and Teaching Mathematics. 14 volumes. School Mathematics Study Group (Stanford) and Survey of Recent Eastern European Mathematical Literature (University of Chicago). University of Chicago Press, 1972. (335-348)
- Kinney, James. "Tagmemic Rhetoric: A Reconsideration." College Composition and Communication. Vol. XXIX, May, 1978.
- Klausmeier, Herbert J. The Abilities Underlying Educational Development and Concept Achievement. Wisconsin University; R and D Center for Cognitive Learning, 1976. (ED 126 175)
- Klein, Gary A. and Julian Weitzenfeld. General Description of Human Problem Solving. Air Force Human Resources Lab. Brooks AFB, Texas June, 1976. (ED 129670)
- Klemp, George O. Three Fractors of Success in the World: Implications for Curriculum in Higher Education. Boston, Mass.: McBer and Co., March, 1977.
- Koberg, Don and Bagnall, Jim. The Universal Traveler. California: William Kaufmann, Inc., 1974.
- Values TECH. California: William Kaufmann, Inc., 1975.
- Kohl, Herbert R. Math, Writing, and Games in the Open Classroom. Vintage Books, New York, 1974.
- Kohlberg, Lawrence. "The Child as a Moral Philosopher." Reading in Educational Psychology Today. John P. Deecco (ed.): CRM Books, 1970.
- "Moral Education for a Society in Moral Transition." Educational Leadership, Vol. 33, No. 1, October, 1975.
- Korn, Ellen. Cognitive Remediation Program. Jefferson Community College (Louisville, Ky).
- Kosuth, Joan and Minnesang, Sandy. Choices. Pennant Press, 1975.
- Krulik, Stephen. "Problem, Problem Solving, and Strategy Games." The Mathematics Teacher, Vol. 70, No. 8, Nov., 1977.
- Krulik, Stephen and Wilderman, Ann M. "Mathematics Clas + Stragegy Games = Problem Solving." School Science and Mathematics, Vol. 75, No. 3, March, 1976.
- Kurfman, Dana G. (ed.) Developing Decision-Making Skills. National Council for the Social Studies. 47th yearbook. Arlington, Va., 1977.
- Kyle, Ray. Clear Thinking for Composition. Random House, 1969.

- Labouvie-Vief, Gisela; Levin, Joel R.; and Urberg, Kathryn A. "The Relationship Between Selected Cognitive Abilities and Learning: A Second Look." Journal of Educational Psychology, Vol. 67, No. 4, Aug., 1975.
- Laird, Donald A. and Eleanor C. Techniques for Efficient Remembering. New York: McGraw-Hill, 1960.
- Larkin, Jill H. Models of Skilled and Less Skilled Problem Solving in Physics. Physics Dept., Carnegie-Mellon University, March 1979.
- Larkin, Jill H. and Reif, F. Understanding and Teaching Problem Solving in Physics. (Submitted for publication- February, 1978 in the European Journal on Science Education).
- Lawrence, Gordon D. "Max Wertheimer's PRODUCTIVE THINKING: A Neglected Foundation for the Discovery Approach in Teaching." Educational Theory, Vol. 21, No. 1, Winter, 1971.
- Lawson, Anton E. and Renner, John W. "Teaching for Thinking: A Piagetian Perspective." Today's Education, Vol. 65, No. 3, Sept. - Oct. 1976.
- Lawson, Anton E.; Devito, Alfred; and Nordland, Floyd. "How's Your I.Q. (Inquiry Quotient)? An Instrument to Measure Inquiry Teaching in the Science Classroom." School Science and Mathematics, Vol. 76, No. 2, February, 1976.
- Lefrancois, Guy R. "Jean Piaget's Developmental Model: Equilibration-through-Adaptation." The Course of Human Development. M.C. Jones, et. al. (ed.) Wiley, 1971.
- Lesh, Richard (ed.) Cognitive Psychology and the Mathematics Laboratory. ERIC Information Analysis Center for Science, Mathematics, and Environmental Education. Columbus, Ohio, 1974.
- Lesh, Ronald E. Assessment of Creativity. New Jersey Department of Education, Trenton. Sept., 1973.
- Lewis, Ellen S. "Teacher Influence on Pupil Cognitive Performance." Peabody Journal of Education, Vol. 55, No. 3, April, 1978.
- Lochhead, Jack. An Anarchistic Approach to Teaching Problem Solving Methods, paper to American Educational Research Association, San Francisco, April, 1979.
- Mathematical Word Problems, Including Ratio Problems. Instructional Module, Cognitive Development Project, School of Engineering, University of Mass. - Amherst. (undated)
- A Course That Teaches Students to Use Mathematics Constructively. Cognitive Development Project, School of Engineering, University of Mass. - Amherst. (undated)
- Teaching Students How to Learn. Presented to the 3rd International Conference on Improving University Teaching.
- Loughlin, Elsa. "Critical Reading - Beyond Comprehension." Instructor, Vol. LXXXV, No. 8, April, 1976.
- Lovell, Kenneth. Intellectual Growth and Understanding Mathematics. Columbus, Ohio: Mathematics Education Reports, ERIC Information Analysis Center for Science Education. Feb., 1971. (ED 049069)

Lowery, Lawrence F. and Leonard, William K. "Development and Method for Use of an Instrument Designed to Assess Textbook Questioning Style." School Science and Mathematics, Vol. 78, No 5, May - June 1978.

Luchterhand, Elmer and Sydiaha, Daniel. Choice in Human Affairs. New Haven, Conn.: College and University Press, 1966.

- MacDonald, James B. and Leeper, Robert R. (eds). Language and Meaning. Association for Supervision and Curriculum Development, 1968.
- Mackey, James. "Three Problem-Solving Models for the Elementary Classroom." Social Education, Vol. 41, No. 5, May 1977.
- Madison, John P. "Critical Thinking In The English Classroom." English Journal, Vol. 60, No. 8, Nov., 1971.
- Mager, Robert. Goal Analysis. Fearon Publications, 1972.
- Mansfield, Richard S. and Busse, Thomas V. "The Effectiveness of Creativity Training Programs." Childhood Education, Vol. 51, No. 1, Oct., 1974.
- Margerison, Charles. Managerial Problem Solving. London: McGraw-Hill, 1974.
- Markoff, David. How to Remember Anything. New York: Memorial School, 1975.
- Marvin, Philip R. Developing Decisions for Action. Homewood, Ill.: Dow Jones - Irwin, 1971.
- Mtschette, Diane. "Moral Reasoning in the 'Real World'". Theory Into Practice, Vol. 16, No. 2, April, 1977.
- Mason, Jana M. "Suggested Relationships Between The Acquisition of Beginning Reading Skills and Cognitive Development." The Journal of Educational Research, Vol. 70, No. 4, March/April, 1977.
- Massialas, Byron G. and Zevin, Jack. Creative Encounters In The Classroom: Reading and Learning Through Discovery. John Wiley and Sons, 1967.
- Mattox, Beverly A. Getting It Together: Dilemmas for the Classroom Based on Kohlberg's Approach. Pennant Press, 1975.
- Matz, Marilyn. Towards a Process Model for High School Algebra Errors Working Paper 181. Artificial Intelligence Laboratory, Massachusetts Institute of Technology, July 1979.
- Mayer, Richard E. Thinking and Problem-Solving: An Introduction to Human Cognition and Learning. Scott, Foresman, and Company, 1977.
- McCuen, Gary E. America's Prisons. Minneapolis, Minnesota: Greenhaven Press Inc., 1971, 1973.
- American Justice. Anoka, Minnesota: Greenhaven Press Inc., 1975.
- McCuen, Gary E. and Bender, David L. The Radical Left and The Far Right. Anoka, MN:
- McGuire, Christine. Simulation Technique in the Teaching and Testing of Problem Solving Skills. Columbus, Ohio: ERIC Information Analysis Center for Science, Mathematics, and Environmental Education. March, 1973. (ED 091152)
- McKim, Robert. Experiences in Visual Thinking. Brooks-Cole, Pub. Co., 1972.
- McNaughton, Anthony H. "Can Moral Behavior Be Taught Through Cognitive Means? - Yes." Social Education, Vol. 41, No. 4, April, 1977.

- Mentkowski, Marcia and Hersh, Richard H. Introduction to Modules in Moral Development. Instructional Module for Teacher Corps Program, University of Toledo, 1975.
- Merwin, William C. "Models for Problem Solving." The High School Journal, Vol. 61, No. 3, Dec., 1977.
- Meyer, John R. "The Status of the Education of Judgement." Educational Leadership, Vol. 35, No. 6, March 1978.
- Michalos, A. Improving Your Reasoning. Prentice-Hall, 1970.
- Miles, Curtis. "Reasoning: The Fourth 'R'." Journal of Developmental and Remedial Education, Vol. 2, No. 1, Fall, 1978.
- Miller, George A. Language and Communication. New York: McGraw-Hill Book Co., Inc., 1963.
- Mills, Gordon. "Toward Trained Decision-Making." New Scientist, Vol. 73, No. 1042, March 10, 1977.
- Minor, Frances. "Cognitive Development: Some Pervasive Issues." Theory Into Practice, Vol. 12, No. 2, April, 1973.
- Montgomery County Public Schools. Comprehension - Critical Reading/Thinking Skills K-12 (The Big 9): Teaching Reading Skills, Vol. II. Rockville, Md., 1974. (ED 112377)
- Moore, W. Edgar. Creative and Critical Thinking. Houghton, Mifflin Co.: Boston, 1967.
- Norman, Thomas. What Is It Really Like Out There? Objective Knowing. Atheneum, NY, 1977.
- Morgan, John S. Improving Your Creativity On The Job. New York: American Management Association, 1968.
- Morrison, Donald W. Personal Problem Solving in the Classroom. New York: John Wiley and Sons, 1977.
- Mosenthal, Peter. "Language and Thought." Theory Into Practice, Vol. 14, No. 5, Dec., 1975.
- Mullally, Lee. "Educational Cognitive Style: Implications for Instruction." Theory Into Practice, Vol. XVI, No. 4, Oct., 1977.

National Council of Supervisors of Mathematics. "A Position Paper on Basic Math Skills." Arithmetic Teacher, Vol. 25, Oct., 1977.

National Education Association. "The Seven Cardinal Principles Revisited." Today's Education, Vol. 65, No. 3, Sept. - Oct., 1976.

Nelson, Jack L. Introduction to Value Inquiry: A Student Process Book. Rochelle Park, NJ: Hayden Book Company, 1974.

Nevius, John R. Jr. Teaching for Logical Thinking Is a Prereading Activity. College of Education, Texas Tech University, 1976. (ED 127557)

Nawell, A. and Simon, H.A. Human Problem-Solving. Prentice-Hall, Inc., 1972.

-----"GPS, a Program that Simulates Human Thought." Simulation of Cognitive Processes.

Newton, Richard. Expressive Thought and Non-rational Inquiry. Paper to National Council for the Social Studies, College and University Faculty Assembly. Chicago. Nov., 1974. (ED 102052)

Noller, Ruth B. Scratching the Surface of Creative Problem-Solving: A Bird's Eye-View of CPS. Buffalo, NY: D.O.K. Publishers, Inc., 1977.

Oberlander, Mark I. Sex Role Development and Creative Functioning in Preadolescent and Adolescent Students. Chicago, Ill.: Institute for Juvenile Research, April, 1975. (ED 124268)

Odell, Lee. "Another Look at Tagmemic Theory: A Response to James Kinney." College Composition and Communication, Vol. XXIX, May, 1978.

O'Fahey, Sheila, et. al. Deciding How To Live As Society's Children: Individual needs and institutional expectations. McDougal, Littel, and Company. Evanston, Ill., 1975. (See also teachers guide, Allen, Rodney).

Olmo, Barbara. "Can Creativity Be Taught? - No." Social Education, Vol. 41, No. 7, Nov. - Dec., 1977.

----- "Developing Creativity in Teaching: Testing Hypotheses." The High School Journal, Vol. 69, No. 6, March, 1977.

----- "Evaluating the Development of Creative Traits." The Clearing House, Vol. 51, No. 7, March, 1978.

----- "The Process of Transfer and the Transfer of Process." The Clearing House, Vol. 49, No. 2, Oct., 1975.

----- "Student Involvement, Problem Solving, and Transfer: Three Keys to Effective Teaching." The High School Journal, Vol. 61, No. 6, March, 1978.

Ornstein, Robert E. (ed.). The Nature of Human Consciousness: A Book of Readings. W.H. Freeman and Company, 1973.

Osborn, Alex F. Applied Imagination. 3rd Edition. Charles Scribner's and Sons, 1963.

Osborne, Alan R. "Promoting Logical Ability." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.

----- and Gerald M. Reagan. "Logical Reasoning: An Educational Goal." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.

Owen, Steven, et. al. Effect of Open Education on Selected Cognitive and Affective Measures. Paper to American Educational Research Association, Chicago, April, 1974.

Oxenfeldt, Alfred R. et. al. A Basic Approach to Executive Decision Making. AMACOM, 1978.

- Packer, Arlis and Willems, Arnold L. "Man's Brain and the School's Curriculum." Kappa Delta Pi Record, Vol. 13, No. 4, April, 1977.
- Paige, Jeffery M. and Simon, Herbert A. Cognitive Processes In Solving Algebra Word Problems in Problem Solving: Research, Method, and Theory. Benjamin Kleinmuntz (ed). page 51-119. John Wiley and Sons, Inc., New York, 1966.
- Palmer, William S. "Teaching Reading for Power: Cognitively, Creatively, and Analytically." English Journal, Vol. 65, No. 6, Sept., 1976.
- Parate, Jesse D. "The Psychology of Logic: A Bibliography." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.
- Parnes, Sidney. Creative Behavior Guidebook. Scribner, 1976.
- Passow, Harry (ed.). Nurturing Individual Potential. A.S.C.D., 1964.
- Paul, Raymond and Pellegrino, W. Goione. Mock Trial, An Exercise in Perception and Logic. Thomas Crowell Co., 1973.
- Payne, Stanley L. The Art of Asking Questions. Princeton: Princeton University Press, 1951.
- Perry, William G. Jr. Forms of Intellectual and Ethical Development in the College Years. New York: Holt, Rinehart, and Winston, 1968.
- Phelan, Patricia. Right Brain/Left Brain. Interact Company, Lakeside, California, 1978.
- Phenix, Philip H. Realms of Meaning: A Philosophy of the Curriculum for General Education. McGraw-Hill, 1964.
- Phillips, John L. Jr. The Origins of Intellect: Piaget's Theory. 2nd ed. San Francisco: W.H. Freeman and Company, 1975.
- Phillips, Mark. "Confluent Education, The Hidden Curriculum, and the Gifted Child." Phi Delta Kappan, Vol. 58, No. 3, Nov., 1976.
- Piaget, Jean. "How Children Form Mathematical Concepts." Scientific American, Vol. 189, No. 5, Nov., 1953.
- The Mechanisms of Perception. Translated by G.N. Seagrim. Basic Books, 1969.
- To Understand Is to Invent. Penguin Books, 1976. New York.
- Piaget, Jean and Inhelder, Barbel. Memory and Intelligence. Translated by Arnold J. Pomerans. New York: Basic Books, 1973.
- Piaget Newsletter. Suomi College. Hancock, Michigan 49930. (First published in Dec., 1977 - part of a FIPSE project)
- Piggin, Julia R. Mini-Mysteries. Scholastic Book Services, New York, 1974.
- Pines, Maya. "We are Left-brained or Right-brained." New York Times Magazine. Sept. 9, 1973.
- Pospeshel, Howard. Arguments: Deductive Logic Exercises. New Jersey: Prentice-Hall, Inc., 1978.

Polya, George. "More on Guessing and Proving." The Two Year College Mathematics Journal, Vol. 10, Number 4, Sept. 1979, p. 255-258.

Potter, Robert. Making Sense: Exploring Semantics and Critical Thinking. Institute of General Semantics, 1974.

Pyfer, Julene N. The Experiment at Butte: A Project Designed to Introduce Reflective Materials to ABE Students. Montana: Butte Vocational-Technical Center, June 30, 1972. (ED 101148)

Quigley, Carroll. "Needed: A Revolution In Thinking?". Today's Education, Vol. 64,
No. 2, March/April, 1975.

- Rader, William D. "Improving Critical Reading Through Consumer Education." Social Education, Vol. 42, No. 1, Jan., 1978.
- Raths, Louis E. et. al. Teaching for Thinking: Theory and Application. Charles E. Merrill Publishing Company, 1967.
- Raudsepp, Eugene and Hough, George P. Jr. Creative Growth Games. Jove Publications, Harcourt, Brace, Javanovich, New York, 1977.
- "Jumping to Solutions: 12 Exercises in Creative Problem-Solving." Psychology Today, Vol. 11, No. 7, December, 1977.
- Reif, F. Problem Solving in Physics or Engineering: Human Information Processing and Some Teaching Suggestions. (Draft of article submitted for publication) Oct. 21, 1977.
- Problem Solving Skills and Human Information Processing: Some Basic Issues and Practical Teaching Suggestions. Presented at the 85th Annual Conference of the American Society for Engineering Education, University of North Dakota, June 27-30, 1977.
- Rennels, Max R. "Cerebral Symmetry: An Urgent Concern for Education." Phi Delta Kappan, Vol. 58, No. 3, Nov., 1976.
- Resnick, Lauren B. and Glaser. Problem Solving and Intelligence. Learning R and D Center, University of Pittsburg, 1975. (ED 111727)
- Restak, Richard M. The Brain: The Last Frontier. Garden City, New York: Doubleday and Company, Inc., 1979.
- Richards, Ruth and Cassey, Beth M. Creativity and Academic Motivation Variables as Predictors of Achievement in a Two-Year College for Educationally Marginal Students. Paper to American Educational Research Association. Washington, D.C.: April, 1975. (ED 104472)
- Ridley, Dennis. Definitions and Criteria of Creativity: A Literature Review. Los Alamitos, Calif.: Southwest Regional Laboratory for Educational Research and Development. April, 1969. (ED 108235)
- Riegler, Rodney P. "The Logical Status of Questions." Educational Theory, Vol. 25, No. 4, Fall, 1975.
- Rieke, Richard D. and Sillars, Malcolm O. Argumentation and the Decision Making Process. New York, London, Sydney, Toronto: John Wiley and Sons, Inc., 1975.
- Riekes, Linda and Mahe, Sally. Juvenile Problems and Law. St. Paul, Minn.: West Publishing Company, 1975.
- Rogers, Sinclair and Wheeler, T.J. "Some Factors in Problem Solving: The Name of the Concept, Specific Instructions, and the Ability to Verbalise." Contemporary Educational Psychology, 1975. (ED 127834)
- Romein, Tunis. "Three Cheers (Jeers) for Logic." The Clearing House, Vol. 49, No. 9, May, 1976.
- Romey, William D. "Transdisciplinary, Problem-Centered Studies: Who Is The Integrator?" School Science and Mathematics, Vol. 75, No. 1, January, 1975.

- Rosenfield, Sylvia. Relationship of Children's Conceptual Tempo to Problem Solving and Creativity. Paper to American Personnel and Guidance Association. Chicago, April, 1976.
- Rosenzweig, Linda W. "A Selected Bibliography of Materials About Moral Education Based on the Research of Lawrence Kohlberg." Social Education, Vol. 40, No. 4, April, 1976.
- Rubin, L.J. (ed.) Life Skills in School and Society: Yearbook, 1969. A.S.C.D.
- Ruby, Lionel and Yarber, Robert E. The Art of Making Sense. J.B. Lippincott Company, 1974.
- Ruggiero, Vincent Ryan. Beyond Feelings: A Guide to Critical Thinking. Alfred Publishing Company, Inc., 1975.
- Ruggiero, Vincent Ryan. The Moral Imperative: Ethical Issues for Discussion and Writing. Alfred Publishing Company, Inc., 1973.
- Ryle, Gilbert. The Concept of Mind. Barnes and Noble, 1969.

Sagen, H. Bradley. "How Do Students Learn?" North Central News Bulletin, Vol. 25, No. 1, Oct., 1965.

Samples, Bob. "Mind Cycles and Learning." Phi Delta Kappan, Vol. 58, No. 9, May, 1977.

----- The Metaphoric Mind: A Celebration of Creative Consciousness. Mass.: Addison-Wesley Publishing Company, 1976.

Samples, Bob; Charles, Cheryl; and Barnhart, Dick. The Wholeschool Book: Teaching and Learning Late in the 20th Century. Mass.: Addison-Wesley Publishing Company, 1977.

Samson, Richard W. The Mind Builder. E.P. Dutton and Company, 1965.

----- Problem Solving Improvement. McGraw-Hill Book Company, 1970, 205 pp. p.b.

Sanders, Norris M. Classroom Questions: What Kinds? Harper and Row, New York, 1966.

Scandura, Joseph M. et. al. Problem Solving: A Structural Process with Instructional Implications. Academic Press, 1977.

Scheffler, Israel. "In Praise of the Cognitive Emotions." Teachers College Record, Vol. 79, No. 2, Dec., 1977.

Schlesinger, Mark A. Implementing Competency-Based Education: "Critical Thinking Isn't a Competency?" Paper for AAHE Regional Conference. April 25, 1975.

Schoenfeld, Alan. Explicit Heuristic Training As a Variable in Problem Solving Performance. J. for Research in Mathematics Education, Vol. 10, No. 3, May 1979, pp. 173-187.

Scholz, Nellet et. al. How to Decide: A Guide for Women. New York: College Entrance Examination Board, 1975.

Schulman, Benson R. Language and Logic. New York: Cambridge Book Company, 1977.

Schwebel, Milton and Raph, Jane (eds). Piaget In The Classroom. Harper Colophon Books, 1973.

Scriven, Michael. Reasoning. McGraw-Hill Book Co., 1976.

Sellen, Robert W. "The 'Open Question' and Student Design of Part of the Course." Improving College and University Teacher, Vol. 24, No. 3, Summer, 1976.

Seyer, Dorothy U. and Sipple, M. Noel. Thinking for Writing, SRA, Inc., 1978.

Serebriakoff, Victor. How Intelligent are You? Signet, 1968.

Shallcross, Doris J. "Creativity: Everybody's Business." Personnel and Guidance Journal, Vol. 51, No. 9, May, 1973.

Shami, Mohammad A.A. and Hershkowitz. "Goals of Public Education: 'Scientific Concepts' in Relation to 'Solution of Real Life Problems'." School Science and Mathematics, Vol. LXXVIII, No. 1, Jan., 1968.

Shanahan, Daniel. "Why Johnny Can't Think." Change, Vol. Sept., 1977.

Shepardson, Richard D. Developing Questioning Skills, grades 5 through 8. Visual Materials, Inc., Redwood City, Calif, 1971.

- Shiman, David A. and Nash, Robert J. "Questioning: Another View." Peabody Journal of Education, Vol. 51, No. 4, July 1974.
- Siegler, Robert S. Children's Thinking What Develops? New York, Toronto, London, Sydney: John Wiley and Sons, 1978.
- Siff, David. "Working With Unconscious Thinking In Freshman Composition." English Journal, Vol. 65, No. 9, Dec., 1975.
- Simpson, Elizabeth Leonie. "The Right to Individual Judgement." Educational Leadership, Vol. 35, No. 6, March 1978.
- Smart, Patricia. Thinking and Reasoning. Shoe String Press, Inc., 1972.
- Smith, Bonnie. Critically Reading for Propaganda Techniques in Grade Six. Rutgers University: M.Ed. Thesis. Oct., 1974. (ED 098530)
- Smith, Craig and Hunsaker, David M. The Bases of Argument. The Bobbs-Merrill Company, Inc. Indianapolis and New York, 1972.
- Smith, Edward and Janis McClain. A Criterion Test for Classification Tasks. Los Alamitos, Calif.: Southwest Regional Laboratory for Educational Research and Development. Aug., 1971. (ED 110522)
- Sobol, Donald J. Still More Two-Minute Mysteries. Scholastic Book Services, N.Y., 1975.
- Spotts, James V. and Mackler, Bernard. The Relationship of the Field Dependent and Field-Independent Cognitive Styles to Creative Test Performance. Topeka, Kansas: Kansas Neurological Institute, 1967. (ED 093983)
- Stahl, Robert; Wellesley, Corbett T. Jr.; Button, Christine B.; and LaCava, Harry J. A Model to Develop Student Concept Learning and Problem Solving Skills: Modifying Gagne for Planning, Instruction, and Assessment in the Social Studies. Paper to Florida Educational Research Association, St. Petersburg, Jan., 1975. (ED 111701)
- Stanford, Gene and Barbara D. Learning Discussion Skills Through Games. Scholastic Magazines, Inc., 1969, New York.
- Stanley, Julian C. "Identifying and Nurturing The Intellectually Gifted." Phi Delta Kappan, Vol. 58, No. 3, Nov., 1976.
- Starr, Isidore. "The Nature of Critical Thinking and Its Application in the Social Studies," in Skill Development in Social Studies. Helen McCracken Carpenter (ed.). Washington, DC: National Council for the Social Studies, NEA, 1963.
- Steinaker, Norman W. and Bell, M. Robert. The Experiential Taxonomy. New York, San Francisco, London: Academic Press, 1979.
- Stern, Carolyn. Problem Solving and Concept Formation: An Annotated Bibliography. Los Alamitos, Calif.: Southwest Regional Laboratory for Educational Research and Development. June, 1968. (ED 111515)
- Stevens, John O. Awareness: Exploring, Experimenting, Experiencing. Bantam, 1973.
- Stievater, Susan M. "A Comprehensive Bibliography of Books on Creativity and Problem-Solving." The Journal of Creativity Behavior, Vol. 5, No's 2-4, Second, Third, and Fourth Quarters, 1971.

Stievater, Susan M. "Bibliography of Recent Books on Creativity and Problem-Solving, Supplements I, II, and III." The Journal of Creative Behavior, Vol. 6, No's. 1-3, First, Second, and Third Quarters, 1972.

Swick, Kevin J. and Miller, Harry C. "Utilization of Analogies to Teach Critical Thinking Skills." The Clearing House, Vol. 49, No. 4, Dec., 1975.

- Tamir, Pinchas and Kempa, Richard F. "College Students' Cognitive Preferences in Science." The Journal of Educational Research, Vol. 70, No. 4, March/April, 1977.
- Tarr, Graham. The Management of Problem Solving. Halsted Press, 1973.
- Thomas, C.W. Jr. and Churchill, W.H. "Computer Aided Problem Solving (Oriented Toward Mathematics)." School Science and Mathematics, Vol. 77, No. 4, April, 1977.
- Thomas, John W. The Effects of Instruction on the Critical Thinking Abilities of Middle-School Age Children. Paper to American Educational Research Association. Washington, D.C.: March, 1975. (ED 105420)
- Thomas, Walter E. "Technical Education: Teaching Students to Identify the Problems." Engineering Education, May, 1977.
- Thompson, Loren J. "History, Historians, and Logic." Theory Into Practice, Vol. 12, No. 5, Dec., 1973.
- Thomson, Robert. The Psychology of Thinking. Penguin Books, 1963.
- Thornton, Carol A. "Emphasizing Thinking Strategies in Basic Fact Instruction." Journal for Research in Mathematics Education, Vol. 9, No. 3, May 1978, pp. 214-227.
- Thouless, Robert H. Straight and Crooked Thinking. London: Pan Books, Ltd., 1953.
- Throne, John M. "Can Creativity Be Taught?." Educational Technology, Vol. 16, No. 4, April, 1976.
- Tomlinson-Keasey, C. and Eisert, Debra. "Doing and Thinking: Their Relationship in College Freshmen, or ADAPT - Second Year Evaluation." Presentation at 85th Annual APA Convention, San Francisco, Aug. 30, 1977.
- Torrance, Paul E. Creativity: What Research Says to the Teacher. National Educational Association of the U.S., April, 1963.
- Torrance, Paul E. Encouraging Creativity in the Classroom. Dubuque, Iowa: Wm. C. Brown, Company, 1970.
- Learning About the Future Through Language Arts. Paper to National Conference on Language Arts in the Elementary School. Atlanta, Ga: March, 1976. (ED 127614)
- Rewarding Creative Behavior: Experiments in Classroom Creativity. Prentice-Hall, 1965.
- et. al. Needed Research on Creativity: A Special Report of the USOE-Sponsored Grant Study: Critical Appraisal of Research in the Personality - Emotions - Motivation Domain. Fort Worth, Texas: TCU Institute of Behavioral Research, Sept., 1975. (ED 113640)
- and Torrance Pansy J. Is Creativity Teachable? Bloomington, Ind.: Phi Delta Kappa Educational Foundation, 1973. (ED 120651)
- Trabandt, Joan S. (ed.) Emphasis: Preparation. Unit V of CENTS Project. Unpublished, Northern Virginia Community College, 1976.

Trabandt, Joan S. (ed.) Emphasis: Work. Unit III of CENTS Project.
Unpublished, Northern Virginia Community College, 1976.

Traugh, Cecilia E. "Some Thinking Skills Defined in Historiographical Terms."
The Clearing House, Vol. 51, No. 2, Oct., 1977.

Treffinger, Donald J. and Gowan, John C. "An Updated Representative List of Methods
and Educational Programs for Stimulating Creativity." The Journal of Creative
Behavior, Vol. 5, No. 2, Second Quarter, 1971.

Trotter, Robert J. "The Other Hemisphere." Science News, Vol. 109, April 3, 1976.

Tuck, Mary. How Do We Choose? London: Methuen and Company, Ltd, 1976.

Underwood, Benton J. "Problem Solving", Chapter 14 in Experimental Psychology.
Meredith Publishing Company, 1966.

U.S.A.F., "Use of Reason in Communication: A Learning Module." Maxwell Air
Force Base, (Alabama) Academic Instructor Module No. A1 - 330a. (undated)

Uphoff, James K. "Values: What Impact on Educating for Judgement Making".
Educational Leadership, Vol. 35, No. 6, March 1978.

Ursell, John H. "Guess My Formula!". The Mathematics Teacher, Vol. 71, No. 1,
January, 1978.

Vernon, Philip E. Intelligence: Heredity and Environment. San Francisco:
W.H. Freeman and Company, 1979.

Von Fange, Eugen K. Professional Creativity. Englewood Cliffs, New Jersey:
Prentice-Hall, 1959.

Vygotsky, Lev. S. Thought and Language. Cambridge, Mass.: Trans. Eugenia Hanfmann
and Gertrude Vakar, M.I.T. Press, 1972.

- Wade, William. "Responsibility as A Philosophy of Education. The Clearing House, Vol. 51, No. 6, Feb., 1978.
- Wagner, Paul. "Elusive Notion of Creativity and Pedagogical Practice." The Clearing House, Vol. 51, No. 5, Jan., 1978.
- Wales, Charles E. and Stager, Robert A. Guided Design: Parts 1 and 2. West Virginia, University, 1977.
- Wallen, Norman E. "Can Moral Behavior Be Taught Through Cognitive Means?---No." Social Education, Vol. 41, No. 4, April, 1977.
- Waller, T. Gary. Think First, Read Later! Piagetian Prerequisites for Reading. International Reading Association, 1977.
- Walter, Marion I. and Brown, Stephen I. "Problem Posing and Problem Solving: An Illustration of Their Interdependence." The Mathematics Teacher, Vol. 70, No. 1, Jan., 1977.
- Walter, Otis M. and Scott, Robert L. Thinking and Speaking, 3rd ed. Macmillan Company, 1973.
- Wason, P.C. and Johnson-Laird, P.N. Thinking and Reasoning: Selected Readings. Peter Smith Publisher, Inc.
- Psychology of Reasoning: Structure and Content. Cambridge, Mass: Harvard University Press, 1972.
- Watzlawick, Paul. Change: Principles of Problem Formation and Problem Resolution. W.W. Norton, 1974.
- Weagraff, Patrick J. and Lynn, James J. Making Decisions Work. New York: Gregg Division, McGraw-Hill Book Company, 1977.
- Wease, Hugh. "Questioning: The Genesis of Teaching and Learning." The High School Journal, Vol. 59, No. 6, March, 1976.
- Webb, Jeanine N. "Taxonomy of Cognitive Behavior: A System for the Analysis of Intellectual Processes. Journal of Research and Development in Education, Vol. 4, No. 1, Fall, 1970.
- Webb, Leland F. and Ost, David H. "Real Comprehensive Problem Solving As It Relates To Mathematics Teaching In THE Secondary School." School Science and Mathematics, Vol. 78, No. 3, March 1978.
- Webb, Norman. "Process, Conceptual Knowledge, and Mathematical Problem Solving Ability." J. for Research in Mathematics Ed., Vol. 10, No. 2, p. 83-93.
- Weber, Waldemar. Cultivating Problem Solving Among Mathematics Honor Students. Bowling Green State University: Mathematics Department, (undated)
- Weeks, Eleanor and Oates, Paul. Sematics: A Unit of Study, Grades 7, 8, 9. Needham, Mass.: Needham Public Schools, 1972.
- Weintraub, Richard and Krieger, Richard. Beyond The Easy Answer: Exploring new perspectives through creative problem solving games. Culver City, California: Zenger, Publications, Inc., 1978.

- Wertheimer, Max. Productive Thinking. Enlarged Edition. Harper, 1959.
- West, William W. "Using Questions to Develop Language." English Journal, Vol. 65, No. 9, Dec. 1976.
- Wheatley, Grayson H. "The Brain Hemisphere's Roles in Problem Solving." Arithmetic Teacher, Vol. 25, Nov., 1977, summarized in The Education Digest, Vol. XLIII, No. 5, Jan. 1978.
- Whimbey, Arthur. A Cognitive Skills Approach to the Disciplines. Bowling Green State University: CUE Project Publication, 1978.
- Development of Problem Solving Skills for Vocational and Educational Achievement. Washington State Superintendent of Public Instruction, State Commission for Vocational Education, 1975.
- "Teaching Sequential Thought: The Cognitive Skills Approach." Phi Delta Kappan, Dec. 1977.
- "Teaching Spanish, Physics, and Philosophy with a Cognitive Skills Orientation: Intelligence beyond Arthur Jensen." (unpublished and undated paper)
- "You Can Learn to Raise Your I.Q. Score." Psychology Today, January 1976.
- and Lochhead, Jack. Problem Solving and Comprehension: A Short Course in Analytic Reasoning. Philadelphia, Pennsylvania: The Franklin Institute Press, 1979.
- and Whimbey, Linda. Intelligence Can Be Taught. E. P. Dutton, 1975.
- White, Edwin P. "Problem Solving: Its History as a Focus in Curriculum Development." School Science and Mathematics, Vol. 78, No. 3, March 1978.
- Wickelgren, Wayne E. How to Solve Problems: Elements of the Theory of Problems and Problem Solving. W. H. Freeman and Company, 1974.
- Williams, F. E. Classroom Ideas for Encouraging Thinking and Feeling. DOK Publishers Inc., 1970.
- Williams, Sheri S. "How We Think: A Systematic Approach to Instruction in the Sub-Tasks of Problem Solving." The High School Journal, Vol. 59, No. 3, Dec 1975.
- Willaims, Tony L. "The Effect of Cognitive Instruction on Secondary School Teachers and Their Pupils." Journal of Research and Development in Education, Vol. 4, No. 1, Fall 1970.
- Windishar, Frank L. "The Education of Judgement: A Rationale." Education Leadership, Vol. 35, No. 6, March 1978.
- Wittrock, M. C. Research Research in Cognition Applied to Mathematics Learning. Columbus, Ohio: ERIC Information Analysis Center for Applied Science, Mathematics, and Environmental Education, February 1973 (ED 077 773)
- Wolf, Alvin. "Can Creativity Be Taught?---No." Social Education, Vol. 41, No. 7, November-December 1977.
- Wolfe, Denny T., Jr. "Thinking as a Language Art: Balancing the Curriculum." The High School Journal, Vol. 61, No. 6, February 1978.

Worthy, Morgan. AHA! Nelson-Hall, 1975.

Young, Richard. "Problems and the Composing Process." Paper presented at the NIE Writing Conference, Los Angeles, CA, June 13-15, 1977.

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